

FUCHSHOFER



FAM
FUCHSHOFER ADVANCED
MANUFACTURING



FUCHSHOFER
PRÄZISIONSTECHNIK



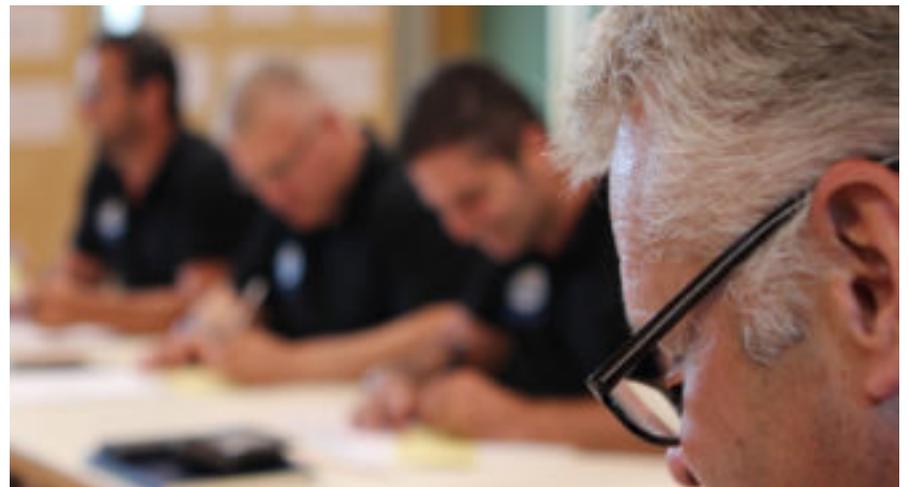
HEPHAX
TECHNIK

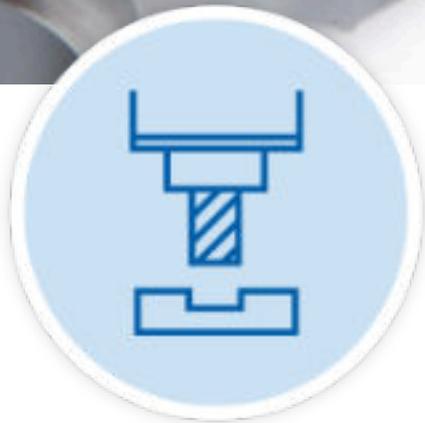
OVERVIEW

- 6000 m² production space
- around 130 employees
 - including 16 trainees
- 58 CNC - machine centers
 - including 18 ultra sonic machines

COMPANY HISTORY

- founded in 1994
- CEO: Hannes Fuchshofer
- location: Eibiswald (Styria)
- core competence: CAM-CNC high precision manufacturing





**CNC precision
engineering**



**quartz glass
technical ceramics**



**additive
manufacturing**



**mechanical
engineering
WASUFI®**



CNC - MACHINING

- Turning centers with up to 9 axes
- Milling centers with 3-, 4-, and 5 - axes
- Wire cutting
- Flat grinding
- Circular grinding
- CAM system / tool management

MATERIALS

- aluminium
- stainless steels
- hardened steels
- nickel
- chrome
- titanium alloys
- plastics



Kern Micro HD

- 5 axis precision milling machine
- workpiece size:
 - height up to 200 mm
 - diameter up to 350 mm
- positioning accuracy: $< 1 \mu\text{m}$
- repeatability Ps: $< 0.5 \mu\text{m}$
- ultra-high-RPM spindle to use tools down to $\varnothing 0.1 \text{ mm}$



ULTRA SONIC MACHINING

- ultrasonic drilling: starting with a diameter of 0.4mm
- ultrasonic grinding: surface, diameter and contour
- ultrasonic milling: 3D contour, slots

MATERIALS

- technical ceramic
- composite materials
- sintered metal
- quartz glass
- zerodur®
- sapphire glass

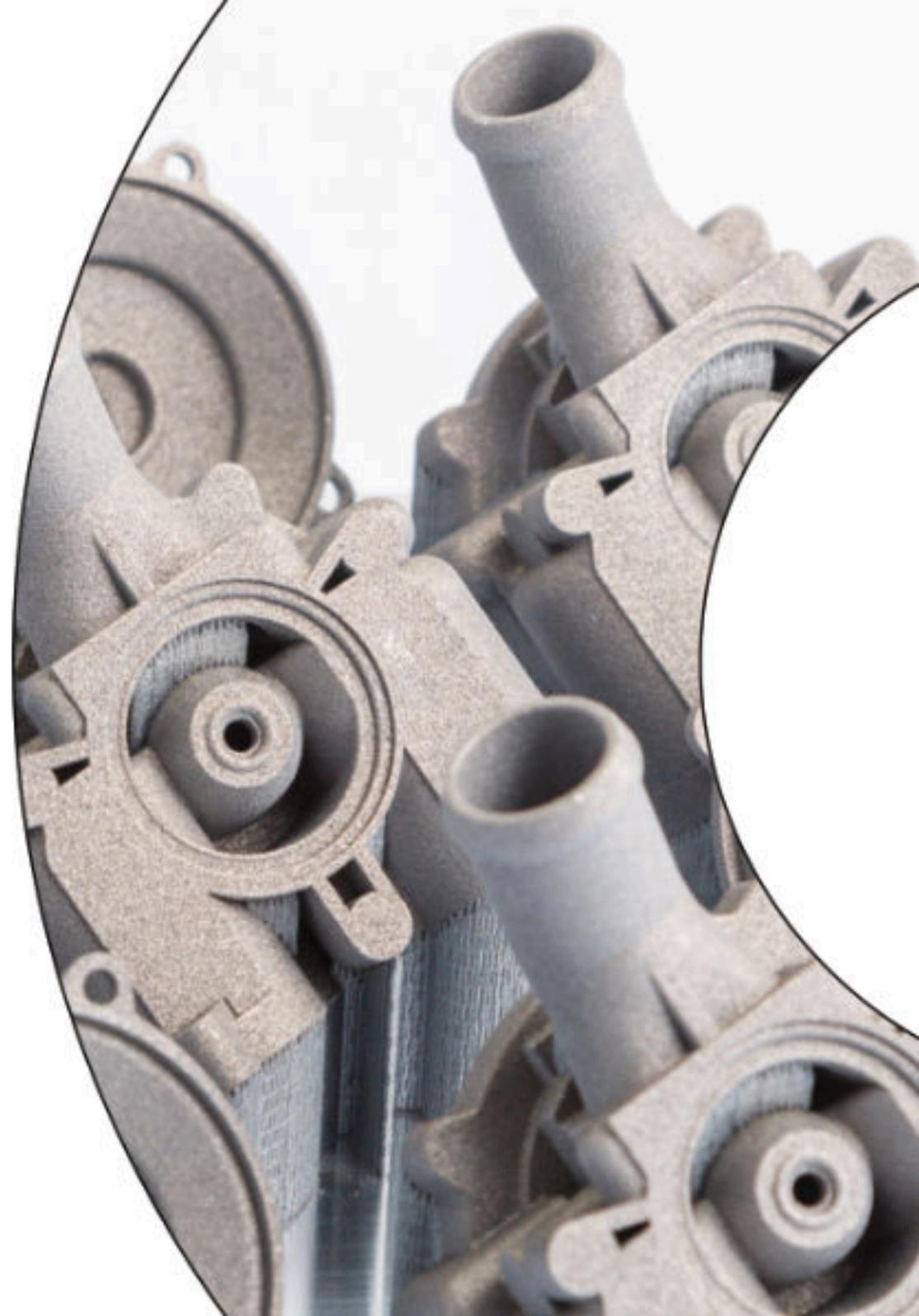
ADDITIVE MANUFACTURING

L - PBF = Laser Powder Bed Fusion

- EOS M290 | 400W: 250x250x325 mm - build volume
 - EOS M290 | 1000W: 250x250x325 mm - build volume
 - EP-M650 | 4x 700W: 650x650x800 mm - build volume
 - EP-M400S | 4x 700W: 400x400x450 mm - build volume from July 2025
-

MATERIALS

- Inconel® 718 + 625
- stainless steel 316L
- 1.2709 tool steel
- m4p™CXplus
- pure-copper (CuCP)
- m4p™ CH100-Fe
- Ti6Al4V/Ti64
- AlSi10Mg
- m4p™StrengthAl
- m4p™PureAl
- m4p™PureTi grade2



PURE COPPER

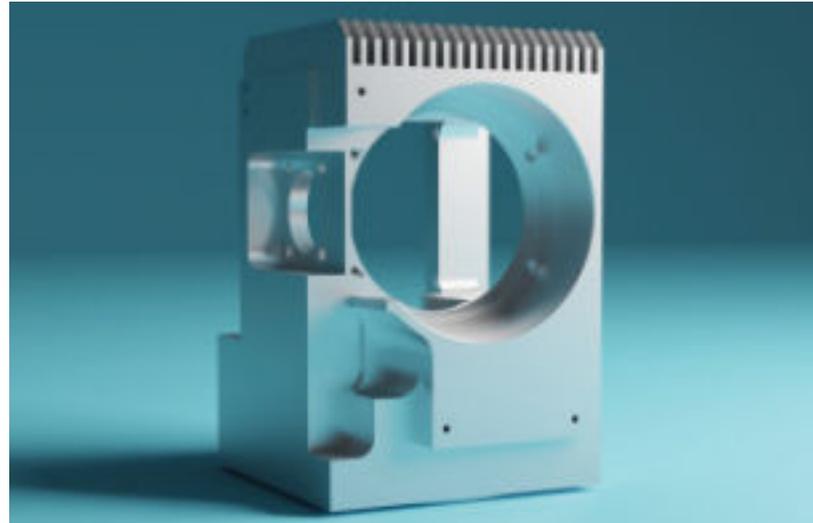
INDUCTOR MADE OF PURE COPPER

- Adaptation of the inductor geometry close to the component contour
- Flow-optimized cooling water system
- Reduction of components in the inductor system
- No modular construction by soldering necessary
- Electrical conductivity between 97.4 and 100 IACS%



optic casing AlSi10Mg

- simplification and reduction of parts
(1 instead of 3 parts, additional functionality)
- material volume reduction: $74 \text{ cm}^3 \rightarrow 36 \text{ cm}^3$
- optimized optical cooling
- design with cooling fins
- integrated air duct for lens cleaning system



conventional



3D component

EP-M650

CONSTRUCTION SPACE

650 x 650 x 800 mm

MATERIAL

- AlSi10Mg



EP-M400S

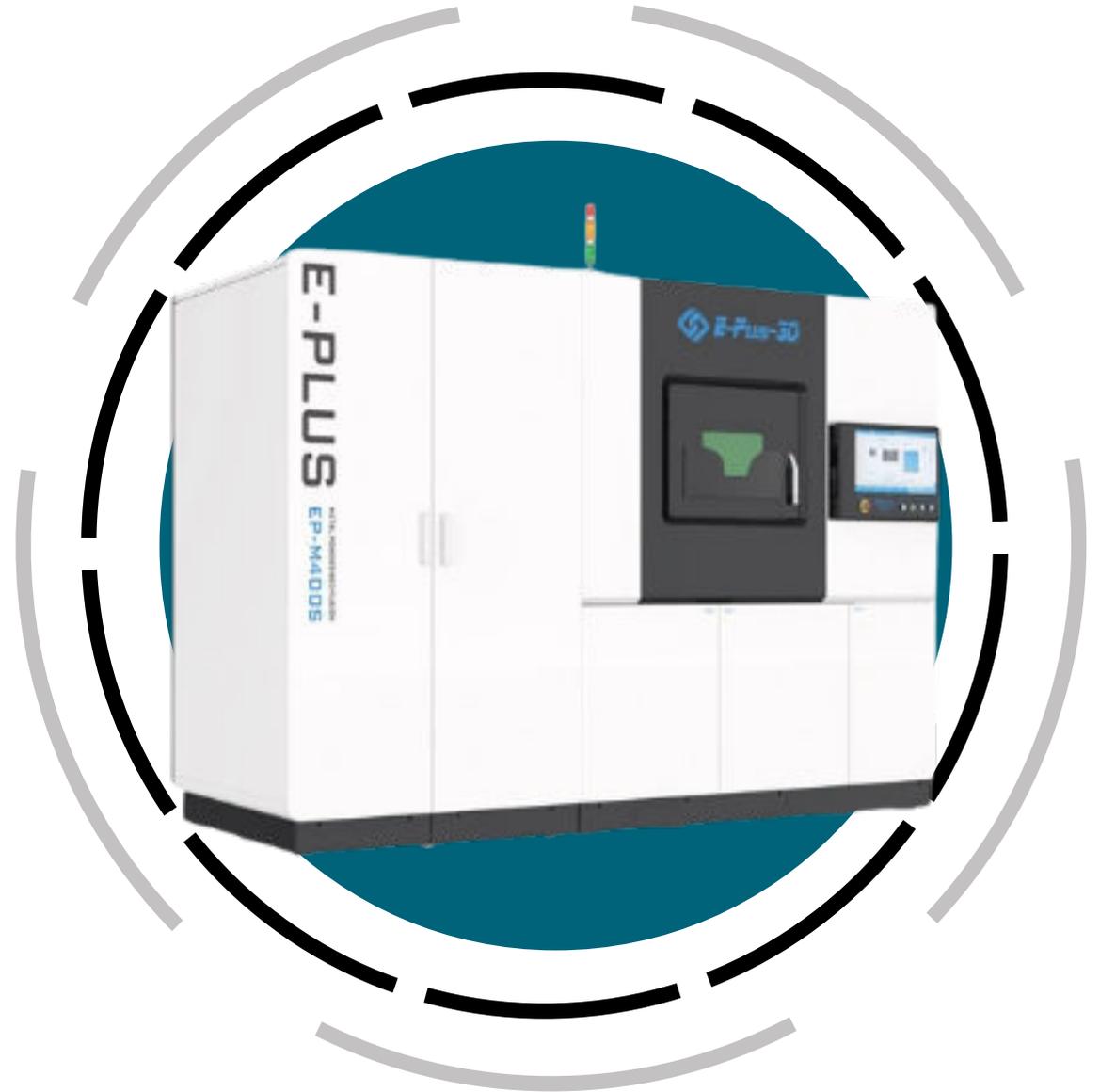
From July 2025

CONSTRUCTION SPACE

400 x 400 x 450 mm

MATERIALS

- Inconel® 625
- Inconel® 718



CNC POST-PROCESSING



WAVEGUIDE

Material: Aluminium - AlSi10Mg

Layer thickness: 60µm

100% own production:

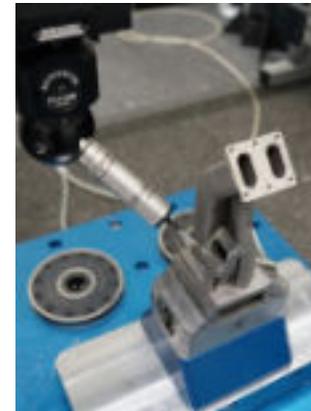
- 3D printing
- CNC post-processing
- Measurement & test reports



METROLOGY

- 3D measurement
- laser measurement
- exact coordinate measurement.

We work together with external specialists for crack testing and material analyses.



MEASURING MACHINES

- 3D coordinate measuring machine
- conturograph
- high precision faro measuring arm
- 3D strip light scanner
- measuring microscope with image processing

ISO - certified

ISO 9100 (aerospace) - Certification May 2025

ISO 9001 (quality management)

ISO 14001 (environmental management)

- continuous of quality processes
- environmental friendly



ZERTIFIKAT ♦ CERTIFICATE ♦ 証明書 ♦ СЕРТИФИКАТ ♦ CERTIFICADO ♦ CERTIFICAT


Landesgesellschaft Österreich

CERTIFICATE

The Certification Body of TÜV SÜD Landesgesellschaft Österreich GmbH certifies that


FUCHSHOFER PRÄZISIONSTECHNIK GMBH
A-8552 Eisbichwald, Haselbach 100

has established and applies a Management System for

Developing, assembling and trading of high-precision turned and milled parts in the range of 2D / 3D machining

An audit was performed and proof has been furnished that the requirements according to

ISO 9001 : 2015 and ISO 14001 : 2015

are fulfilled. The certificate is valid in conjunction with the main-certificate until **2026-06-30**
Certificate Registration No. **QU1530519 / 02**


Vertrauenszeichen
A
TUV SÜD

Certification Body of TÜV SÜD Landesgesellschaft Österreich GmbH
Franz-Greif-Strasse 1 • Arsenal, Objekt 207 • 1020 Vienna, Austria

TUV®

ZERTIFIKAT ♦ CERTIFICATE ♦ 証明書 ♦ СЕРТИФИКАТ ♦ CERTIFICADO ♦ CERTIFICAT


Landesgesellschaft Österreich

CERTIFICATE

The Certification Body of TÜV SÜD Landesgesellschaft Österreich GmbH certifies that


FUCHSHOFER ADVANCED MANUFACTURING - FAM GMBH
A-8552 Eisbichwald, Haselbach 100

has established and applies a Management System for

Developing, production and trading of 3D printing components according to customer data made of metallic materials

An audit was performed and proof has been furnished that the requirements according to

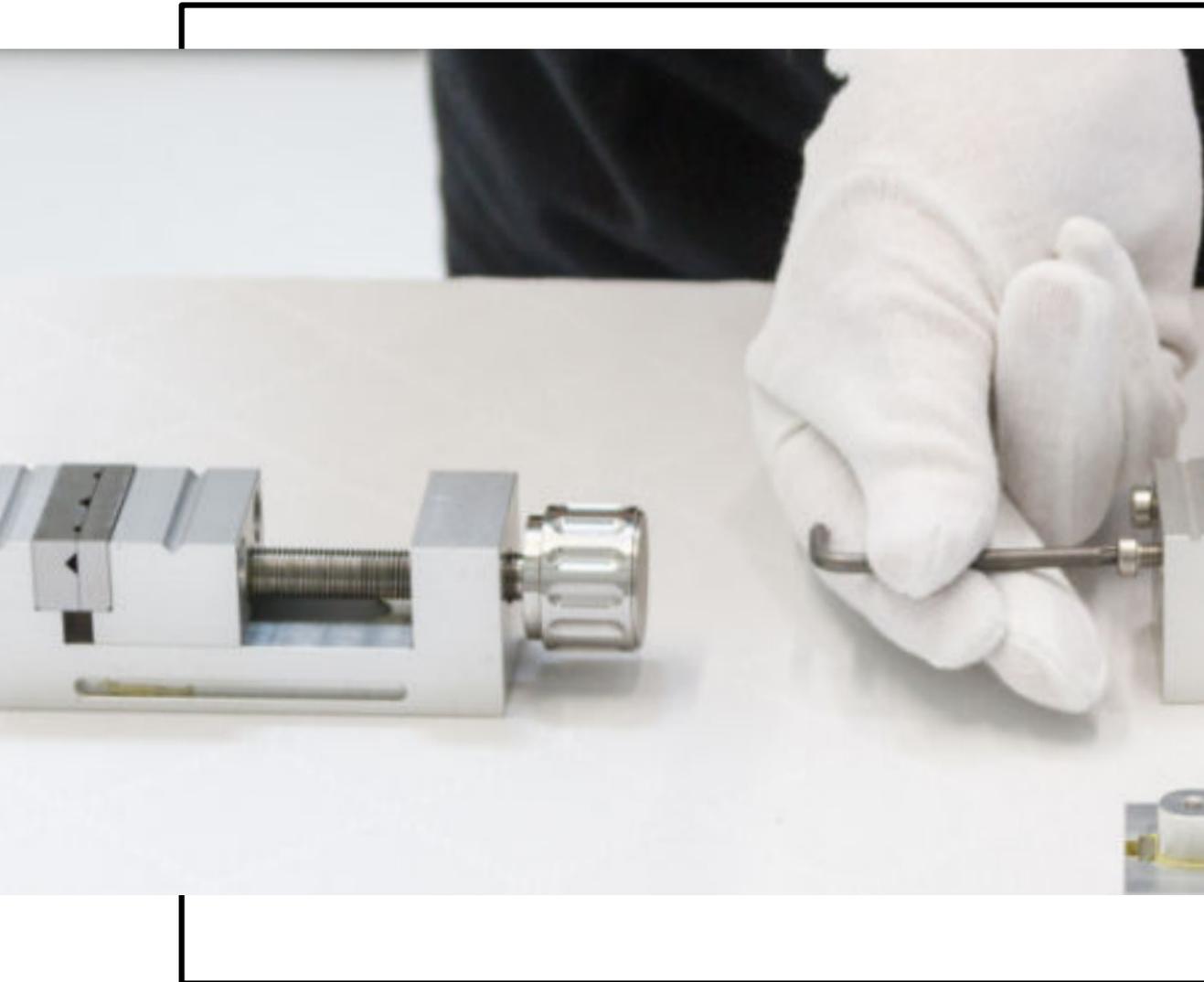
ISO 9001 : 2015 and ISO 14001 : 2015

are fulfilled. The certificate is valid in conjunction with the main-certificate until **2026-06-30**
Certificate Registration No. **QU1530519 / 03**


Vertrauenszeichen
A
TUV SÜD

Certification Body of TÜV SÜD Landesgesellschaft Österreich GmbH
Franz-Greif-Strasse 1 • Arsenal, Objekt 207 • 1020 Vienna, Austria

TUV®



MODUL ASSEMBLY

- in-house assembly of parts
- professional assembly standards
- in-house and sourced components are built together
- time and costs saving
- accelerated processes, incl. purchasing and logistics



WASUFI

roller super finisher

- turning and grinding machine developed by Fuchshofer Präzisionstechnik GmbH
- flaking rolls in the oilseed industry can be maintained in situ
- on-site maintainance

ADVANTAGES

- prevents costly repair work
- very short downtimes
- on-site service
- extended lifetime
- machining by turning and grinding
- high precision
- Cylindricity below 0.5 mm





**„Today is better than yesterday.
Tomorrow is better than today.“**

- HANNES FUCHSHOFER

Haselbach 100
A-8552 Eibiswald
T: +43 3466 47 0 25 0
anfrage@fuchshofer.at
www.fuchshofer.at

